

hoje hoje Technology,. Ltd, Co.

-Material Safety Data Sheet -

1. Identification of The Substance

Product Information: High Performance Thermal Paste
Product Number : HJ42

2. Hazard Identification:

Major Hazard Effect	Hazard warning for Health: No significant adverse effect from normal use.
	Hazard Warning for Environment : Warning
	Physical and Chemical Dangerous :NO
	Special Harm: NO
Major State	NO
Hazard Classification	<ul style="list-style-type: none"> • Classification according to Regulation (EC)No 1272/2008 • Acute aquatic toxicity (Category 1), H400 • Chronic aquatotoxicity (Category 1),H410 • For the full text of the H-Statement mentioned in this Section, see Section 16
Precautionary Statement	<ul style="list-style-type: none"> • P262 Do not get in eye, on skin or on clothing • P379+P260 In case of fire and /or explosion do not breathe fumes • P350+P351 if in eye :Rinse cautiously with water for several minutes. Remove contact lenses ,if present and easy to do. Continue rinsing. • P302+P352 if on skin: Wash with plenty of soap and water • P273 Avoid release to the environment • P501 Dispose of content / container to an approved waste disposal plant

3. Composition/Information on Ingredients:

Components Name	Synonyms	Gravity(%)	Percentage for Chemical Ingredient(%)	Chemical Abstracts Number(CAS No)
Zinc oxide	Zinc oxide	30%~50%	---	1314-13-2
Liquid polymer		5%~15%	---	68130-24-5
Aluminium		35%~55%	---	7429-90-5

4. Mixture

Chemical Characteristics:		
Hazardous Components Name	Concentration/Percentage	Hazard Symbols

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-Material Safety Data Sheet -

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5.First Aid Measures

Skin Contact	Remove product from skin with dry cloth or towel, and wash the exposed area with detergent
Eye Contact	Flush with plenty of water immediately for at least 15 minutes. Get medical attention if irritation persists
Ingestion	Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Call a physician immediately

6.Fire Fighting Measure

Suitable extinguishing media	On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO ₂) dry chemical or water spray. Water can be used to cool fire exposed containers.
Special exposure hazards	NO
Special Extinguishing Procedure	Remove away from the heat, extinguish by water or other media
Special protection equipment	Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.

7.Accidental Release Measures

Personal Protection	Avoid eye contact. Do not take internally
Environment Protection	Do not allow large quantities to enter drains or surface waters
Methods for Cleaning up	It is recommended that customers use disposable containers and utensils whenever possible to simplify clean-up. However, when disposable materials are impractical, HJ42 can be removed by cleaning equipment with a solvent such as isopropyl alcohol.

8.Handling and Storage

Handling	Use with adequate ventilation. Avoid eye contact. Do not take internally. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking, or smoking.
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-Material Safety Data Sheet -

Storage	HJ42 has a shelf life of three years at 25°C -30°C. HJ42 should be stored at 5°C to retain optimal properties
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9.Exposure Control

Engineering Control	Don't exposure under shnshine directly
Hygienic Procedures	NA
Special protection equipment	No need

10.Physical and Chemical Properties

Appearance : Grease	Form: Piece
Color : Gray	Odor : Odorless
PH Value : 5~7	Boiling Point : > 250°C
Decomposition Temperature : N/A	Flash Point : N/A
Spontaneous Temperature : N/A	Explosion Limits : N/A
Vaopor Pressure : N/A	Vapor Density : N/A
Specific Gravity : 3.48g/cc	Solubility in Water : N/A

11.Stability and Reactivity

Stabiity	Stable
Special Conditions of Hazardous Reaction	N/A
Some rusty metal	N/A
Conditions to Avoid	N/A
Incompatibility	Strong alkalis strong acids

Acute Toxicity

Chemical Name	CAS No.	LD(Dermal)	LC50(inhalation)
Zinc Oxide	1314-13-2	--	--

- Eyes : Direct contact may cause temporary redness and discomfort
- Skin : No significant irritation expected from a single short-term exposure
- Ingestion : Low ingestion hazard in normal use.
- Inhalation : No significant effects expected from a single short-term exposure

Local Effects	NO
Sensitization	NO
Chronic Toxicity	NO
Especial Effect	NO



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-Material Safety Data Sheet -

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13. Ecological Information :

• Aquatic and Terrestrial Eco-toxicity
◆ Eco-toxicity Effects:
◆ Toxicity to fish
◆ LC50 - Oncorhynchus mykiss (rainbow trout) - 1.1mg/l-96.0 h(Zinc Oxide) Toxicity to daphnia and other aquatic invertebrates EC50 Daphnia magna (Water flea)- 0.098mg/l-48 h(Zinc Oxide)
• Persistence and Degradability
◆ Water: Solid material , insoluble in water
• Bio-accumulative Potential
◆ Bioaccumulation: No bio-accumulation potential
◆ Mobility in Soil: This product is a solid and does not contain significant concentrations of water-soluble constituents that may be leached from the product it is therefore not likely to present a danger to terrestrial organisms
• Other Adverse Effects:
Additional Environmental : No specific information is available

14. Disposal Information

Disposal Information	Can be recycled
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15. Transport Information

International Transport Regulation	Container
The United Nations Number(UN-No)	No
Internal Transport Regulation	Can be packed in box: $\leq 8\text{kg}$, $\leq 22\text{kg}$, $\leq 13\text{kg}$, $\leq 20\text{kg}$
Special Transport Way and Note	Can be delivered as non-dangerous product

16. Regulation Information

Rules on Workers Health and Safety Facilities
Regulation of Labeling and Hazard Communication of Dangerous and Harmful Materials
Traffic Safety Rules
Standard for the Storage, Clean up, Handling and disposal of industrial Waste

17. Other Information

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-Material Safety Data Sheet -

Legend : This information is offered in good faith as typical values and not as a product specification. No warranty ,expressed or implied , is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate. Full text of H-Statement referred to under section 2 and 3.

Raymond Chang
4/7

